Surface Science 177 (1986) 642–647
North-Holland, Amsterdam

AUTHOR INDEX

Abbati, I., L. Braicovich, B. de Michelis, A. Fasana and A. Rizzi, Spectroscopic investigation of the early formation stage of the Si(111)(2 × 1)–Mo interface 177 (1986) L901

Ades, H.F. and A.L. Companion, The interaction of hydrogen with point defects in aluminum metal 177 (1986) 553

Akazawa, H., I. Kusunoki and Y. Murata, Two-dimensional observation of N_2^+ and N^+ scattering patterns from Cu(001) 177 (1986) 577

Allen, R.E., see Shumway 177 (1986) L999

Allen, V.M. and P.D. Pacey, Extended calculations of energy levels and thermodynamic properties for hindered rotations of adsorbed molecules 177 (1986) 36

Alvey, M.D., A.-M. Lanzillotto and J.T. Yates, Jr., The effect of potassium on the molecular orientation of CO chemisorbed on Ni(111): an ESDIAD study 177 (1986) 278

Arvanitis, D., see Fischer 177 (1986) 114

Avouris, Ph., see Nordlander 177 (1986) L1004

Baberschke, K., see Fischer 177 (1986) 114

Balázs, E., see Orosz 177 (1986) 444

Barnes, W.L. and J.R. Sambles, Guided optical waves in Langmuir–Blodgett films of 22 tricosenoic acid 177 (1986) 399

Barthés-Labrousse, M.-G., Faceting of copper (10,10) and (510) surfaces under lead adsorption: A LEED–AES study 177 (1986) 338

Bassignana, I., see Hock 177 (1986) L978

Basu, P. and J.T. Yates, Jr., An apparatus for temperature programmed desorption from high surface area solids: the adsorption and desorption of C_2H_4 from NaX-zeolite 177 (1986) 291

Bauer, E., see Pavlovska 177 (1986) 473

Beckmann, H.-O., see Bonačić-Koutecký 177 (1986) L1015

Benndorf, C., B. Nieber and B. Krüger, Photoelectron spectroscopic characterization of a-CO and b-CO on Fe(100) 177 (1986) L907

Benndorf, C., see Krüger 177 (1986) 515

Bezuidenhout, F., see Du Plessis 177 (1986) 207

Blavette, D. and A. Bostel, FIM atom-probe investigation of the interphase boundary of a nickel–base superalloy 177 (1986) L994

Boerma, D.O., see De Zwart 177 (1986) L939

Boers, A.L., see De Zwart 177 (1986) L939

Bonačić-Koutecký, V., P. Fantucci, J. Kendrick, H.-O. Beckmann and J. Koutecký, Comment on the possibility of the CO chemisorption on alkali metal surface 177 (1986) L1015

Bonnett, D., see Griffiths 177 (1986) 169

Borensztein, Y., The growth of palladium on (111) polycrystalline silver surface 177 (1986) 353

Bostel, A., see Blavette 177 (1986) L994

Boulliard, J.C. and M.P. Sotto, Structural study of the oxygen adsorption on the (*hk*0) stepped faces of the (110) copper face 177 (1986) 139
Bozack, M.J., P.A. Taylor, W.J. Choyke and J.T. Yates, Jr., Chemical activity of the C=C double bond on silicon surfaces 177 (1986) L933
Braicovich, L., see Abbati 177 (1986) L901

Cameron, S.D., see Paul 177 (1986) 121
Campbell, C.T. and M.T. Paffett, The adsorption of ethylene oxide on Ag(110) and Pt(111): relevance to selective olefin oxidation 177 (1986) 417
Cheung, T.T.P., X-ray photoemission of oxidized Sn–Pt and Pb–Pt composites 177 (1986) L887
Cheung, T.T.P., X-ray photoemission studies of Pt–Sn and Pt–Pb bimetallic systems 177 (1986) 493
Choyke, W.J., see Bozack 177 (1986) L933
Colmenares, C.A., see Winer 177 (1986) 484
Companion, A.L., see Ades 177 (1986) 553
Cowell, P.G., M. Prutton and S.P. Tear, LEED surface crystallography, *R*-factors and the structure of the (110) surfaces of III–V semiconductors 177 (1986) L915

Dabringhaus, H. and H.J. Meyer, Interaction of molecular beams of NaCl with (100) surfaces of KCl 177 (1986) 451
De Michelis, B., see Abbati 177 (1986) L901
De Zwart, S.T., T. Fried, D.O. Boerma, R. Hoekstra, A.G. Drentje and A.L. Boers, Sputtering of silicon by multiply charged ions 177 (1986) L939
Döbler, U., see Fischer 177 (1986) 114
Drentje, A.G., see De Zwart 177 (1986) L939
Du Plessis, J., F. Bezuidenhout and G.N. van Wyk, A model for the dissolution behaviour of a graphite overlayer 177 (1986) 207
Dutheil, A., see Gay 177 (1986) 25
Dwyer, D.J., see Paul 177 (1986) 121
Dziurda, W., L. Gabła and M. Tuleta, Surface segregation in liquid Ga–In alloys studied by bombardment-induced photon emission 177 (1986) 363

Eckstein, W., see Mühling 177 (1986) 565
Eiswirth, M. and G. Ertl, Kinetic oscillations in the catalytic CO oxidation on a Pt(110) surface 177 (1986) 90
Ercolessi, F., M. Parrinello and E. Tosatti, Au(100) reconstruction in the glue model 177 (1986) 314
Erskine, J.L., see Onellion 177 (1986) L983
Ertl, G., see Eiswirth 177 (1986) 90

Falcone, G., A. Oliva and Z. Sroubek, Angular resolved energy spectra of secondary ions 177 (1986) 221
Fantucci, P., see Bonačić-Koutecký 177 (1986) L1015
Fasana, A., see Abbati 177 (1986) L901
Fischer, D.A., U. Döbler, D. Arvanitis, L. Wenzel, K. Baberschke and J. Stöhr, Carbon K-edge structure of chemisorbed molecules by means of fluorescence detection 177 (1986) 114
Fleisch, T.H., see Pan 177 (1986) 1
Fried, T., see De Zwart 177 (1986) L939
Furuya, K., see Yamamoto 177 (1986) 229

Gabła, L., see Dziurda	177 (1986)	363
Garofalini, S.H., see Levine	177 (1986)	157
Gay, J.M., A. Dutheil, J. Krim and J. Suzanne, A LEED study of methane films adsorbed on graphite in the monolayer range	177 (1986)	25
Griffiths, K. and D. Bonnett, The effects of hidden impurities on the reactivity of a Pt(111) crystal	177 (1986)	169
Gustafsson, T., see Yu	177 (1986)	L987
Heyraud, J.C. and J.J. Métois, Surface free energy anisotropy measurement of indium	177 (1986)	213
Hock, M., U. Seip, I. Bassignana, K. Wagemann and J. Küppers, Coadsorption of oxygen and water at Ni(110) surfaces	177 (1986)	L978
Hoekstra, R., see De Zwart	177 (1986)	L939
Hoffmann, F.M., see Paul	177 (1986)	121
Hu, Z.P., N.J. Wu and A. Ignatiev, Cs induced work function changes on the graphite (0001) surface	177 (1986)	L956
Idzerda, Y.U., E.D. Williams, R.L. Park and J. Vähäkangas, Initial formation of titanium silicide	177 (1986)	L1028
Ignatiev, A., see Hu	177 (1986)	L956
Kellogg, G.L., Field ion microscope observations of surface reconstructions on Pt(100) and Ir(100)	177 (1986)	L1021
Kendrick, J., see Bonačić-Koutecký	177 (1986)	L1015
Kikuchi, T., see Yamamoto	177 (1986)	229
Kirtman, B., see Wu	177 (1986)	101
Kiss, J. and F. Solymosi, Adsorption of H_2O on clean and on boron-contaminated Rh surfaces	177 (1986)	191
Kitamura, T., see Saijo	177 (1986)	431
Klauber, C., see Raikar	177 (1986)	L1035
Kleint, Ch. and A. Modinos, Theoretical analysis of the structure in the current versus reciprocal field curves in photofield emission	177 (1986)	389
Koutecký, J., see Bonačić-Koutecký	177 (1986)	L1015
Krim, J., see Gay	177 (1986)	25
Krüger, B., see Benndorf	177 (1986)	L907
Krüger, B. and C. Benndorf, Adsorption and reaction of bromine with Ag(110): a photoemission study	177 (1986)	515
Küppers, J., see Hock	177 (1986)	L978
Kurtz, R.L., Stimulated desorption studies of defect structures on TiO_2	177 (1986)	526
Kusunoki, I., see Akazawa	177 (1986)	577
Lahee, A.M., J.P. Toennies and Ch. Wöll, Low energy adsorbate vibrational modes observed with inelastic helium atom scattering: CO on Pt(111)	177 (1986)	371
Lanzillotto, A.-M., see Alvey	177 (1986)	278
Levine, S.M. and S.H. Garofalini, Interactions of Pt single atoms with the vitreous silica surface; adsorption and thermal accommodation	177 (1986)	157
Lubinskaya, R.I., A.S. Mardezhov, K.K. Svitashov and V.A. Shvets, Ellipsometric analysis of inhomogeneous structures on the basis of complex reflection coefficients	177 (1986)	625
Lysochenko, S.V., see Zharkikh	177 (1986)	615

Malic, R.A., see McRae 177 (1986) 53
Malic, R.A., see McRae 177 (1986) 74
Mardezhov, A.S., see Lubinskaya 177 (1986) 625
Marro, J., see Toral 177 (1986) 14
Mason, B.F. and B.R. Williams, Adsorbed layers on Au(111) – the inelastic transitions 177 (1986) L925
McRae, E.G. and R.A. Malic, Low energy electron diffraction observations on Au-enriched Ni–0.8%Au alloy(110) surfaces prepared by surface segregation 177 (1986) 53
McRae, E.G. and R.A. Malic, Low energy electron diffraction with position-sensitive detection: intensity measurements and comparison with positron diffraction for NaF(001) 177 (1986) 74
Metiu, H., see Wu 177 (1986) 101
Métois, J.J., see Heyraud 177 (1986) 213
Meyer, H.J., see Dabringhaus 177 (1986) 451
Miranda, R., see Oellig 177 (1986) L947
Mitchell, D.F. and G.I. Sproule, Nickel–chromium interface resolution in Auger depth profiles 177 (1986) 238
Mitchell, K.A.R., see Zeng 177 (1986) 329
Modinos, A., see Kleint 177 (1986) 389
Moreh, R. and O. Shahal, Zero-point energies and out-of-plane orientation of N_2 adsorbed on grafoil 177 (1986) L963
Mühling, E., W. Eckstein and H. Verbeek, Charged fractions of ion-desorbed and reflected hydrogen 177 (1986) 565
Murata, Y., see Akazawa 177 (1986) 577

Ng, L., see Uram 177 (1986) 253
Nieber, B., see Benndorf 177 (1986) L907
Nordlander, P. and Ph. Avouris, Structure of adsorbate inverse photoemission spectra: a model Hamiltonian study 177 (1986) L1004

Oellig, E.M. and R. Miranda, New experimental studies on the adsorption of K on Si(100) and Si(111) 177 (1986) L947
Ohtani, H., see Saijo 177 (1986) 431
Oliva, A., see Falcone 177 (1986) 221
Onellion, M. and J.L. Erskine, Rare gas physisorption on potassium treated Ni(100) 177 (1986) L983
Orosz, L. and E. Balázs, Calculation of a quasi-self-consistent barrier for metal–vacuum–metal junctions 177 (1986) 444

Pacey, P.D., see Allen 177 (1986) 36
Paffett, M.T., see Campbell 177 (1986) 417
Pan, Fu-Ming, P.C. Stair and T.H. Fleisch, Chemisorption of pyridine and pyrrole on iron oxide surfaces studied by XPS 177 (1986) 1
Park, R.L., see Idzerda 177 (1986) L1028
Parrinello, M., see Ercolessi 177 (1986) 314
Paul, J., S.D. Cameron, D.J. Dwyer and F.M. Hoffmann, The interaction of CO and O_2 with the (111) surface of Pt_3Ti 177 (1986) 121
Pavlovska, A. and E. Bauer, Auger electron peak shape and structure of adsorbate layers 177 (1986) 473
Prabhakaran, K., P.Sen and C.N.R. Rao, Studies of molecular oxygen adsorbed on Cu surfaces 177 (1986) L971
Prutton, M., see Cowell 177 (1986) L915

Raikar, G.N., C. Klauber and S.M. Thurgate, Auger and XPS study of band structure of zinc phosphide 177 (1986) L1035
Rao, C.N.R., see Prabhakaran 177 (1986) L971
Rizzi, A., see Abbati 177 (1986) L901

Saijo, H., T. Kitamura and H. Ohtani, Adsorption of cyanine dyes on AgCl crystals studied by XPS 177 (1986) 431
Sambles, J.R., see Barnes 177 (1986) 399
Seip, U., see Hock 177 (1986) L978
Sen, P., see Prabhakaran 177 (1986) L971
Shahal, O., see Moreh 177 (1986) L963
Shumway, S.L. and R.E. Allen, Dynamics of adsorption, exchange reactions, and defect formation at solid surfaces 177 (1986) L999
Shvets, V.A., see Lubinskaya 177 (1986) 625
Siuda, R., A proposal of the method for determination of very thin overlayers structure by AES or XPS 177 (1986) L1011
Smith, R.L., see Winer 177 (1986) 484
Sodhi, R.N.S., see Zeng 177 (1986) 329
Solymosi, F., see Kiss 177 (1986) 191
Sotto, M.P., see Boulliard 177 (1986) 139
Sproule, G.I., see Mitchell 177 (1986) 238
Sroubek, Z., see Falcone 177 (1986) 221
Stair, P.C., see Pan 177 (1986) 1
Stöhr, J., see Fischer 177 (1986) 114
Suzanne, J., see Gay 177 (1986) 25
Svitashov, K.K., see Lubinskaya 177 (1986) 625

Taylor, P.A., see Bozack 177 (1986) L933
Tear, S.P., see Cowell 177 (1986) L915
Thurgate, S.M., see Raikar 177 (1986) L1035
Toennies, J.P., see Lahee 177 (1986) 371
Toral, R. and J. Marro, Nucleation theory and the cloud-point 177 (1986) 14
Tosatti, E., see Ercolessi 177 (1986) 314
Tsong, T.T., Evidence of post field ionization and observation of novel features in the energy distribution of field evaporated ions 177 (1986) 593
Tuleta, M., see Dziurda 177 (1986) 363

Uram, K.J., L. Ng and J.T. Yates, Jr., Electrostatic effects between adsorbed species – the K···CO interaction on Ni(111) as studied by infrared reflection–absorption spectroscopy 177 (1986) 253

Vähäkangas, J., see Idzerda 177 (1986) L1028
Van Wyk, G.N., see Du Plessis 177 (1986) 207
Verbeek, H., see Mühling 177 (1986) 565

Wagemann, K., see Hock 177 (1986) L978
Wenzel, L., see Fischer 177 (1986) 114
Williams, B.R., see Mason 177 (1986) L925
Williams, E.D., see Idzerda 177 (1986) L1028
Winer, K., C.A. Colmenares, R.L. Smith and F. Wooten, On the stability of sub-stoichiometric uranium oxides 177 (1986) 484
Wöll, Ch., see Lahee 177 (1986) 371

Wooten, F., see Winer 177 (1986) 484
Wu, Ji-An, H. Metiu and B. Kirtman, Cluster-model calculation of Raman intensity for vibration of CO adsorbed on copper 177 (1986) 101
Wu, N.J., see Hu 177 (1986) L956

Yamamoto, H., T. Kikuchi and K. Furuya, A low-energy SIMS investigation of the analyzing depth by measuring diffusion coefficients using a nickel deposited copper single crystal 177 (1986) 229
Yates, Jr., J.T., see Bozack 177 (1986) L933
Yates, Jr., J.T., see Uram 177 (1986) 253
Yates, Jr., J.T., see Alvey 177 (1986) 278
Yates, Jr., J.T., see Basu 177 (1986) 291
Yu, R. and T. Gustafsson, Determination of the abundance of adsorbed light atoms on a surface using recoil scattering 177 (1986) L987

Zeng, H.C., R.N.S. Sodhi and K.A.R. Mitchell, A LEED crystallographic analysis for the Cu(100)-(2 × 2)-S surface structure 177 (1986) 329
Zharkikh, Yu.S. and S.V. Lysochenko, Effect of low-temperature annealing upon electrophysical parameters for germanium surfaces cleaved in liquid helium 177 (1986) 615
Zhdanov, V.P., Effect of lateral interactions on tunnel diffusion of adsorbed particles 177 (1986) L896

Surface Science 177 (1986) 648–661
North-Holland, Amsterdam

SUBJECT INDEX

Alkali halides

E.G. McRae and R.A. Malic, Low energy electron diffraction with position-sensitive detection: intensity measurements and comparison with positron diffraction for NaF(001) 177 (1986) 74

H. Saijo, T. Kitamura and H. Ohtani, Adsorption of cyanine dyes on AgCl crystals studied by XPS 177 (1986) 431

H. Dabringhaus and H.J. Meyer, Interaction of molecular beams of NaCl with (100) surfaces of KCl 177 (1986) 451

Alkali metals

E.M. Oellig and R. Miranda, New experimental studies on the adsorption of K on Si(100) and Si(111) 177 (1986) L947

Z.P. Hu, N.J. Wu and A. Ignatiev, Cs induced work function changes on the graphite (0001) surface 177 (1986) L956

M. Onellion and J.L. Erskine, Rare gas physisorption on potassium treated Ni(100) 177 (1986) L983

K.J. Uram, L. Ng and J.T. Yates, Jr., Electrostatic effects between adsorbed species – the K···CO interaction on Ni(111) as studied by infrared reflection–absorption spectroscopy 177 (1986) 253

M.D. Alvey, A.-M. Lanzillotto and J.T. Yates, Jr., The effect of potassium on the molecular orientation of CO chemisorbed on Ni(111): an ESDIAD study 177 (1986) 278

V. Bonačić-Koutecký, P. Fantucci, J. Kendrick, H.-O. Beckmann and J. Koutecký, Comment on the possibility of the CO chemisorption on alkali metal surface 177 (1986) L1015

Alloys

T.T.P. Cheung, X-ray photoemission of oxidized Sn–Pt and Pb–Pt composites 177 (1986) L887

E.G. McRae and R.A. Malic, Low energy electron diffraction observations on Au-enriched Ni–0.8%Au alloy(110) surfaces prepared by surface segregation 177 (1986) 53

J. Paul, S.D. Cameron, D.J. Dwyer and F.M. Hoffmann, The interaction of CO and O_2 with the (111) surface of Pt_3Ti 177 (1986) 121

D. Blavette and A. Bostel, FIM atom-probe investigation of the interphase boundary of a nickel–base superalloy 177 (1986) L994

W. Dziurda, L. Gabła and M. Tuleta, Surface segregation in liquid Ga–In alloys studied by bombardment-induced photon emission 177 (1986) 363

T.T.P. Cheung, X-ray photoemission studies of Pt–Sn and Pt–Pb bimetallic systems 177 (1986) 493

Aluminium

H.F. Ades and A.L. Companion, The interaction of hydrogen with point defects in aluminum metal 177 (1986) 553

Appearance potential spectroscopy

Y.U. Idzerda, E.D. Williams, R.L. Park and J. Vähäkangas, Initial formation of titanium silicide 177 (1986) L1028

Atom scattering

B.F. Mason and B.R. Williams, Adsorbed layers on Au(111) – the inelastic transitions 177 (1986) L925

A.M. Lahee, J.P. Toennies and Ch. Wöll, Low energy adsorbate vibrational modes observed with inelastic helium atom scattering: CO on Pt(111) 177 (1986) 371

Auger electron spectroscopy

J.C. Boulliard and M.P. Sotto, Structural study of the oxygen adsorption on the (*hk*0) stepped faces of the (110) copper face 177 (1986) 139

D.F. Mitchell and G.I. Sproule, Nickel–chromium interface resolution in Auger depth profiles 177 (1986) 238

E.M. Oellig and R. Miranda, New experimental studies on the adsorption of K on Si(100) and Si(111) 177 (1986) L947

R. Siuda, A proposal of the method for determination of very thin overlayers structure by AES or XPS 177 (1986) L1011

M.-G. Barthés-Labrousse, Faceting of copper (10,10) and (510) surfaces under lead adsorption: A LEED–AES study 177 (1986) 338

Y. Borensztein, The growth of palladium on (111) polycrystalline silver surface 177 (1986) 353

Y.U. Idzerda, E.D. Williams, R.L. Park and J. Vähäkangas, Initial formation of titanium silicide 177 (1986) L1028

G.N. Raikar, C. Klauber and S.M. Thurgate, Auger and XPS study of band structure of zinc phosphide 177 (1986) L1035

A. Pavlovska and E. Bauer, Auger electron peak shape and structure of adsorbate layers 177 (1986) 473

K. Winer, C.A. Colmenares, R.L. Smith and F. Wooten, On the stability of sub-stoichiometric uranium oxides 177 (1986) 484

Band structure

G.N. Raikar, C. Klauber and S.M. Thurgate, Auger and XPS study of band structure of zinc phosphide 177 (1986) L1035

Boron

J. Kiss and F. Solymosi, Adsorption of H_2O on clean and on boron-contaminated Rh surfaces 177 (1986) 191

Carbon monoxide

C. Benndorf, B. Nieber and B. Krüger, Photoelectron spectroscopic characterization of a-CO and b-CO on Fe(100) 177 (1986) L907
M. Eiswirth and G. Ertl, Kinetic oscillations in the catalytic CO oxidation on a Pt(110) surface 177 (1986) 90
Ji-An Wu, H. Metiu and B. Kirtman, Cluster-model calculation of Raman intensity for vibration of CO adsorbed on copper 177 (1986) 101
J. Paul, S.D. Cameron, D.J. Dwyer and F.M. Hoffmann, The interaction of CO and O_2 with the (111) surface of Pt_3Ti 177 (1986) 121
K.J. Uram, L. Ng and J.T. Yates, Jr., Electrostatic effects between adsorbed species – the K···CO interaction on Ni(111) as studied by infrared reflection–absorption spectroscopy 177 (1986) 253
M.D. Alvey, A.-M. Lanzillotto and J.T. Yates, Jr., The effect of potassium on the molecular orientation of CO chemisorbed on Ni(111): an ESDIAD study 177 (1986) 278
A.M. Lahee, J.P. Toennies and Ch. Wöll, Low energy adsorbate vibrational modes observed with inelastic helium atom scattering: CO on Pt(111) 177 (1986) 371
V. Bonačić-Koutecký, P. Fantucci, J. Kendrick, H.-O. Beckmann and J. Koutecký, Comment on the possibility of the CO chemisorption on alkali metal surface 177 (1986) L1015

Chemisorption theory

V. Bonačić-Koutecký, P. Fantucci, J. Kendrick, H.-O. Beckmann and J. Koutecký, Comment on the possibility of the CO chemisorption on alkali metal surface 177 (1986) L1015
H.F. Ades and A.L. Companion, The interaction of hydrogen with point defects in aluminum metal 177 (1986) 553

Chromium

D.F. Mitchell and G.I. Sproule, Nickel–chromium interface resolution in Auger depth profiles 177 (1986) 238

Clusters

R. Toral and J. Marro, Nucleation theory and the cloud-point 177 (1986) 14

Copper

Ji-An Wu, H. Metiu and B. Kirtman, Cluster-model calculation of Raman intensity for vibration of CO adsorbed on copper 177 (1986) 101
D.A. Fischer, U. Döbler, D. Arvanitis, L. Wenzel, K. Baberschke and J. Stöhr, Carbon K-edge structure of chemisorbed molecules by means of fluorescence detection 177 (1986) 114
J.C. Boulliard and M.P. Sotto, Structural study of the oxygen adsorption on the (*hk*0) stepped faces of the (110) copper face 177 (1986) 139
H. Yamamoto, T. Kikuchi and K. Furuya, A low-energy SIMS investigation of the analyzing depth by measuring diffusion coefficients using a nickel deposited copper single crystal 177 (1986) 229

K. Prabhakaran, P.Sen and C.N.R. Rao, Studies of molecular oxygen adsorbed on Cu surfaces 177 (1986) L971
H.C. Zeng, R.N.S. Sodhi and K.A.R. Mitchell, A LEED crystallographic analysis for the Cu(100)-(2 × 2)-S surface structure 177 (1986) 329
M.-G. Barthés-Labrousse, Faceting of copper (10,10) and (510) surfaces under lead adsorption: A LEED–AES study 177 (1986) 338
H. Akazawa, I. Kusunoki and Y. Murata, Two-dimensional observation of N_2^+ and N^+ scattering patterns from Cu(001) 177 (1986) 577
T.T. Tsong, Evidence of post field ionization and observation of novel features in the energy distribution of field evaporated ions 177 (1986) 593

Deuterium

E. Mühling, W. Eckstein and H. Verbeek, Charged fractions of ion-desorbed and reflected hydrogen 177 (1986) 565

Dielectric constant

W.L. Barnes and J.R. Sambles, Guided optical waves in Langmuir–Blodgett films of 22 tricosenoic acid 177 (1986) 399

Diffusion

H. Yamamoto, T. Kikuchi and K. Furuya, A low-energy SIMS investigation of the analyzing depth by measuring diffusion coefficients using a nickel deposited copper single crystal 177 (1986) 229

Electron loss spectroscopy

J. Paul, S.D. Cameron, D.J. Dwyer and F.M. Hoffmann, The interaction of CO and O_2 with the (111) surface of Pt_3Ti 177 (1986) 121
J. Kiss and F. Solymosi, Adsorption of H_2O on clean and on boron-contaminated Rh surfaces 177 (1986) 191
K. Prabhakaran, P.Sen and C.N.R. Rao, Studies of molecular oxygen adsorbed on Cu surfaces 177 (1986) L971
M. Hock, U. Seip, I. Bassignana, K. Wagemann and J. Küppers, Coadsorption of oxygen and water at Ni(110) surfaces 177 (1986) L978
C.T. Campbell and M.T. Paffett, The adsorption of ethylene oxide on Ag(110) and Pt(111): relevance to selective olefin oxidation 177 (1986) 417

Electron microscopy

J.C. Heyraud and J.J. Métois, Surface free energy anisotropy measurement of indium 177 (1986) 213

Electron stimulated desorption

M.D. Alvey, A.-M. Lanzillotto and J.T. Yates, Jr., The effect of potassium on the molecular orientation of CO chemisorbed on Ni(111): an ESDIAD study 177 (1986) 278
R.L. Kurtz, Stimulated desorption studies of defect structures on TiO_2 177 (1986) 526

Carbon monoxide

C. Benndorf, B. Nieber and B. Krüger, Photoelectron spectroscopic characterization of a-CO and b-CO on Fe(100) 177 (1986) L907
M. Eiswirth and G. Ertl, Kinetic oscillations in the catalytic CO oxidation on a Pt(110) surface 177 (1986) 90
Ji-An Wu, H. Metiu and B. Kirtman, Cluster-model calculation of Raman intensity for vibration of CO adsorbed on copper 177 (1986) 101
J. Paul, S.D. Cameron, D.J. Dwyer and F.M. Hoffmann, The interaction of CO and O_2 with the (111) surface of Pt_3Ti 177 (1986) 121
K.J. Uram, L. Ng and J.T. Yates, Jr., Electrostatic effects between adsorbed species – the K···CO interaction on Ni(111) as studied by infrared reflection–absorption spectroscopy 177 (1986) 253
M.D. Alvey, A.-M. Lanzillotto and J.T. Yates, Jr., The effect of potassium on the molecular orientation of CO chemisorbed on Ni(111): an ESDIAD study 177 (1986) 278
A.M. Lahee, J.P. Toennies and Ch. Wöll, Low energy adsorbate vibrational modes observed with inelastic helium atom scattering: CO on Pt(111) 177 (1986) 371
V. Bonačić-Koutecký, P. Fantucci, J. Kendrick, H.-O. Beckmann and J. Koutecký, Comment on the possibility of the CO chemisorption on alkali metal surface 177 (1986) L1015

Chemisorption theory

V. Bonačić-Koutecký, P. Fantucci, J. Kendrick, H.-O. Beckmann and J. Koutecký, Comment on the possibility of the CO chemisorption on alkali metal surface 177 (1986) L1015
H.F. Ades and A.L. Companion, The interaction of hydrogen with point defects in aluminum metal 177 (1986) 553

Chromium

D.F. Mitchell and G.I. Sproule, Nickel–chromium interface resolution in Auger depth profiles 177 (1986) 238

Clusters

R. Toral and J. Marro, Nucleation theory and the cloud-point 177 (1986) 14

Copper

Ji-An Wu, H. Metiu and B. Kirtman, Cluster-model calculation of Raman intensity for vibration of CO adsorbed on copper 177 (1986) 101
D.A. Fischer, U. Döbler, D. Arvanitis, L. Wenzel, K. Baberschke and J. Stöhr, Carbon K-edge structure of chemisorbed molecules by means of fluorescence detection 177 (1986) 114
J.C. Boulliard and M.P. Sotto, Structural study of the oxygen adsorption on the (*hk*0) stepped faces of the (110) copper face 177 (1986) 139
H. Yamamoto, T. Kikuchi and K. Furuya, A low-energy SIMS investigation of the analyzing depth by measuring diffusion coefficients using a nickel deposited copper single crystal 177 (1986) 229

K. Prabhakaran, P.Sen and C.N.R. Rao, Studies of molecular oxygen adsorbed on Cu surfaces 177 (1986) L971
H.C. Zeng, R.N.S. Sodhi and K.A.R. Mitchell, A LEED crystallographic analysis for the Cu(100)-(2 × 2)-S surface structure 177 (1986) 329
M.-G. Barthés-Labrousse, Faceting of copper (10,10) and (510) surfaces under lead adsorption: A LEED–AES study 177 (1986) 338
H. Akazawa, I. Kusunoki and Y. Murata, Two-dimensional observation of N_2^+ and N^+ scattering patterns from Cu(001) 177 (1986) 577
T.T. Tsong, Evidence of post field ionization and observation of novel features in the energy distribution of field evaporated ions 177 (1986) 593

Deuterium

E. Mühling, W. Eckstein and H. Verbeek, Charged fractions of ion-desorbed and reflected hydrogen 177 (1986) 565

Dielectric constant

W.L. Barnes and J.R. Sambles, Guided optical waves in Langmuir–Blodgett films of 22 tricosenoic acid 177 (1986) 399

Diffusion

H. Yamamoto, T. Kikuchi and K. Furuya, A low-energy SIMS investigation of the analyzing depth by measuring diffusion coefficients using a nickel deposited copper single crystal 177 (1986) 229

Electron loss spectroscopy

J. Paul, S.D. Cameron, D.J. Dwyer and F.M. Hoffmann, The interaction of CO and O_2 with the (111) surface of Pt_3Ti 177 (1986) 121
J. Kiss and F. Solymosi, Adsorption of H_2O on clean and on boron-contaminated Rh surfaces 177 (1986) 191
K. Prabhakaran, P.Sen and C.N.R. Rao, Studies of molecular oxygen adsorbed on Cu surfaces 177 (1986) L971
M. Hock, U. Seip, I. Bassignana, K. Wagemann and J. Küppers, Coadsorption of oxygen and water at Ni(110) surfaces 177 (1986) L978
C.T. Campbell and M.T. Paffett, The adsorption of ethylene oxide on Ag(110) and Pt(111): relevance to selective olefin oxidation 177 (1986) 417

Electron microscopy

J.C. Heyraud and J.J. Métois, Surface free energy anisotropy measurement of indium 177 (1986) 213

Electron stimulated desorption

M.D. Alvey, A.-M. Lanzillotto and J.T. Yates, Jr., The effect of potassium on the molecular orientation of CO chemisorbed on Ni(111): an ESDIAD study 177 (1986) 278
R.L. Kurtz, Stimulated desorption studies of defect structures on TiO_2 177 (1986) 526

Ellipsometry

R.I. Lubinskaya, A.S. Mardezhov, K.K. Svitashov and V.A. Shvets, Ellipsometric analysis of inhomogeneous structures on the basis of complex reflection coefficients 177 (1986) 625

Ethylene

D.A. Fischer, U. Döbler, D. Arvanitis, L. Wenzel, K. Baberschke and J. Stöhr, Carbon K-edge structure of chemisorbed molecules by means of fluorescence detection 177 (1986) 114

R. Yu and T. Gustafsson, Determination of the abundance of adsorbed light atoms on a surface using recoil scattering 177 (1986) L987

P. Basu and J.T. Yates, Jr., An apparatus for temperature programmed desorption from high surface area solids: the adsorption and desorption of C_2H_4 from NaX-zeolite 177 (1986) 291

Faceting

J.C. Boulliard and M.P. Sotto, Structural study of the oxygen adsorption on the (*hk*0) stepped faces of the (110) copper face 177 (1986) 139

M.-G. Barthés-Labrousse, Faceting of copper (10,10) and (510) surfaces under lead adsorption: A LEED–AES study 177 (1986) 338

Field emission, see also Field ion microscopy

Ch. Kleint and A. Modinos, Theoretical analysis of the structure in the current versus reciprocal field curves in photofield emission 177 (1986) 389

Field evaporation, see also Field emission

T.T. Tsong, Evidence of post field ionization and observation of novel features in the energy distribution of field evaporated ions 177 (1986) 593

Field ion microscopy, see also Field emission

D. Blavette and A. Bostel, FIM atom-probe investigation of the interphase boundary of a nickel–base superalloy 177 (1986) L994

G.L. Kellogg, Field ion microscope observations of surface reconstructions on Pt(100) and Ir(100) 177 (1986) L1021

Germanium

Yu.S. Zharkikh and S.V. Lysochenko, Effect of low-temperature annealing upon electrophysical parameters for germanium surfaces cleaved in liquid helium 177 (1986) 615

Gold

B.F. Mason and B.R. Williams, Adsorbed layers on Au(111) – the inelastic transitions 177 (1986) L925

F. Ercolessi, M. Parrinello and E. Tosatti, Au(100) reconstruction in the glue model 177 (1986) 314
A. Pavlovska and E. Bauer, Auger electron peak shape and structure of adsorbate layers 177 (1986) 473

Graphite

J. du Plessis, F. Bezuidenhout and G.N. van Wyk, A model for the dissolution behaviour of a graphite overlayer 177 (1986) 207
Z.P. Hu, N.J. Wu and A. Ignatiev, Cs induced work function changes on the graphite (0001) surface 177 (1986) L956
R. Moreh and O. Shahal, Zero-point energies and out-of-plane orientation of N_2 adsorbed on grafoil 177 (1986) L963

Hall effect

Yu.S. Zharkikh and S.V. Lysochenko, Effect of low-temperature annealing upon electrophysical parameters for germanium surfaces cleaved in liquid helium 177 (1986) 615

Halogens

B. Krüger and C. Benndorf, Adsorption and reaction of bromine with Ag(110): a photoemission study 177 (1986) 515

Hydrogen

H.F. Ades and A.L. Companion, The interaction of hydrogen with point defects in aluminum metal 177 (1986) 553

Indium

J.C. Heyraud and J.J. Métois, Surface free energy anisotropy measurement of indium 177 (1986) 213

Indium antimonide

P.G. Cowell, M. Prutton and S.P. Tear, LEED surface crystallography, *R*-factors and the structure of the (110) surfaces of III–V semiconductors 177 (1986) L915

Infrared spectroscopy

K.J. Uram, L. Ng and J.T. Yates, Jr., Electrostatic effects between adsorbed species – the K···CO interaction on Ni(111) as studied by infrared reflection–absorption spectroscopy 177 (1986) 253

Ion bombardment

E. Mühling, W. Eckstein and H. Verbeek, Charged fractions of ion-desorbed and reflected hydrogen 177 (1986) 565

Ion scattering

J. Paul, S.D. Cameron, D.J. Dwyer and F.M. Hoffmann, The interaction of CO and O_2 with the (111) surface of Pt_3Ti 177 (1986) 121
R. Yu and T. Gustafsson, Determination of the abundance of adsorbed light atoms on a surface using recoil scattering 177 (1986) L987
H. Akazawa, I. Kusunoki and Y. Murata, Two-dimensional observation of N_2^+ and N^+ scattering patterns from Cu(001) 177 (1986) 577

Iridium

G.L. Kellogg, Field ion microscope observations of surface reconstructions on Pt(100) and Ir(100) 177 (1986) L1021
T.T. Tsong, Evidence of post field ionization and observation of novel features in the energy distribution of field evaporated ions 177 (1986) 593

Iron

C. Benndorf, B. Nieber and B. Krüger, Photoelectron spectroscopic characterization of a-CO and b-CO on Fe(100) 177 (1986) L907

Iron oxide

Fu-Ming Pan, P.C. Stair and T.H. Fleisch, Chemisorption of pyridine and pyrrole on iron oxide surfaces studied by XPS 177 (1986) 1

Lead

M.-G. Barthés-Labrousse, Faceting of copper (10,10) and (510) surfaces under lead adsorption: A LEED–AES study 177 (1986) 338

Low energy electron diffraction

P.G. Cowell, M. Prutton and S.P. Tear, LEED surface crystallography, *R*-factors and the structure of the (110) surfaces of III–V semiconductors 177 (1986) L915
J.M. Gay, A. Dutheil, J. Krim and J. Suzanne, A LEED study of methane films adsorbed on graphite in the monolayer range 177 (1986) 25
E.G. McRae and R.A. Malic, Low energy electron diffraction observations on Au-enriched Ni–0.8%Au alloy(110) surfaces prepared by surface segregation 177 (1986) 53
E.G. McRae and R.A. Malic, Low energy electron diffraction with position-sensitive detection: intensity measurements and comparison with positron diffraction for NaF(001) 177 (1986) 74
J.C. Boulliard and M.P. Sotto, Structural study of the oxygen adsorption on the (*hk*0) stepped faces of the (110) copper face 177 (1986) 139
K.J. Uram, L. Ng and J.T. Yates, Jr., Electrostatic effects between adsorbed species – the K · · · CO interaction on Ni(111) as studied by infrared reflection–absorption spectroscopy 177 (1986) 253
H.C. Zeng, R.N.S. Sodhi and K.A.R. Mitchell, A LEED crystallographic analysis for the Cu(100)-(2 × 2)-S surface structure 177 (1986) 329

M.-G. Barthés-Labrousse, Faceting of copper (10,10) and (510) surfaces under lead adsorption: A LEED–AES study 177 (1986) 338

Methane

M.J. Bozack, P.A. Taylor, W.J. Choyke and J.T. Yates, Jr., Chemical activity of the C=C double bond on silicon surfaces 177 (1986) L933
J.M. Gay, A. Dutheil, J. Krim and J. Suzanne, A LEED study of methane films adsorbed on graphite in the monolayer range 177 (1986) 25

Molybdenum

I. Abbati, L. Braicovich, B. de Michelis, A. Fasana and A. Rizzi, Spectroscopic investigation of the early formation stage of the Si(111)(2 × 1)–Mo interface 177 (1986) L901
A. Pavlovska and E. Bauer, Auger electron peak shape and structure of adsorbate layers 177 (1986) 473
T.T. Tsong, Evidence of post field ionization and observation of novel features in the energy distribution of field evaporated ions 177 (1986) 593

Nickel

J. du Plessis, F. Bezuidenhout and G.N. van Wyk, A model for the dissolution behaviour of a graphite overlayer 177 (1986) 207
H. Yamamoto, T. Kikuchi and K. Furuya, A low-energy SIMS investigation of the analyzing depth by measuring diffusion coefficients using a nickel deposited copper single crystal 177 (1986) 229
D.F. Mitchell and G.I. Sproule, Nickel–chromium interface resolution in Auger depth profiles 177 (1986) 238
M. Hock, U. Seip, I. Bassignana, K. Wagemann and J. Küppers, Coadsorption of oxygen and water at Ni(110) surfaces 177 (1986) L978
M. Onellion and J.L. Erskine, Rare gas physisorption on potassium treated Ni(100) 177 (1986) L983
R. Yu and T. Gustafsson, Determination of the abundance of adsorbed light atoms on a surface using recoil scattering 177 (1986) L987
K.J. Uram, L. Ng and J.T. Yates, Jr., Electrostatic effects between adsorbed species – the K · · · CO interaction on Ni(111) as studied by infrared reflection–absorption spectroscopy 177 (1986) 253
M.D. Alvey, A.-M. Lanzillotto and J.T. Yates, Jr., The effect of potassium on the molecular orientation of CO chemisorbed on Ni(111): an ESDIAD study 177 (1986) 278
E. Mühling, W. Eckstein and H. Verbeek, Charged fractions of ion-desorbed and reflected hydrogen 177 (1986) 565

Nitrogen

R. Moreh and O. Shahal, Zero-point energies and out-of-plane orientation of N_2 adsorbed on grafoil 177 (1986) L963

Noble gases

B.F. Mason and B.R. Williams, Adsorbed layers on Au(111) – the inelastic transitions 177 (1986) L925
M. Onellion and J.L. Erskine, Rare gas physisorption on potassium treated Ni(100) 177 (1986) L983

Nucleation

R. Toral and J. Marro, Nucleation theory and the cloud-point 177 (1986) 14

Organic substances

M.J. Bozack, P.A. Taylor, W.J. Choyke and J.T. Yates, Jr., Chemical activity of the C=C double bond on silicon surfaces 177 (1986) L933
Fu-Ming Pan, P.C. Stair and T.H. Fleisch, Chemisorption of pyridine and pyrrole on iron oxide surfaces studied by XPS 177 (1986) 1
W.L. Barnes and J.R. Sambles, Guided optical waves in Langmuir–Blodgett films of 22 tricosenoic acid 177 (1986) 399
C.T. Campbell and M.T. Paffett, The adsorption of ethylene oxide on Ag(110) and Pt(111): relevance to selective olefin oxidation 177 (1986) 417
H. Saijo, T. Kitamura and H. Ohtani, Adsorption of cyanine dyes on AgCl crystals studied by XPS 177 (1986) 431

Oxygen

T.T.P. Cheung, X-ray photoemission of oxidized Sn–Pt and Pb–Pt composites 177 (1986) L887
M. Eiswirth and G. Ertl, Kinetic oscillations in the catalytic CO oxidation on a Pt(110) surface 177 (1986) 90
J. Paul, S.D. Cameron, D.J. Dwyer and F.M. Hoffmann, The interaction of CO and O_2 with the (111) surface of Pt_3Ti 177 (1986) 121
J.C. Boulliard and M.P. Sotto, Structural study of the oxygen adsorption on the ($hk0$) stepped faces of the (110) copper face 177 (1986) 139
K. Prabhakaran, P.Sen and C.N.R. Rao, Studies of molecular oxygen adsorbed on Cu surfaces 177 (1986) L971
M. Hock, U. Seip, I. Bassignana, K. Wagemann and J. Küppers, Coadsorption of oxygen and water at Ni(110) surfaces 177 (1986) L978

Palladium

Y. Borensztein, The growth of palladium on (111) polycrystalline silver surface 177 (1986) 353

Photodesorption

R.L. Kurtz, Stimulated desorption studies of defect structures on TiO_2 177 (1986) 526

Photoelectron spectroscopy

T.T.P. Cheung, X-ray photoemission of oxidized Sn–Pt and Pb–Pt composites 177 (1986) L887
I. Abbati, L. Braicovich, B. de Michelis, A. Fasana and A. Rizzi, Spectroscopic investigation of the early formation stage of the Si(111)(2 × 1)–Mo interface 177 (1986) L901
C. Benndorf, B. Nieber and B. Krüger, Photoelectron spectroscopic characterization of a-CO and b-CO on Fe(100) 177 (1986) L907
Fu-Ming Pan, P.C. Stair and T.H. Fleisch, Chemisorption of pyridine and pyrrole on iron oxide surfaces studied by XPS 177 (1986) 1
J. Paul, S.D. Cameron, D.J. Dwyer and F.M. Hoffmann, The interaction of CO and O_2 with the (111) surface of Pt_3Ti 177 (1986) 121
K. Griffiths and D. Bonnett, The effects of hidden impurities on the reactivity of a Pt(111) crystal 177 (1986) 169
K. Prabhakaran, P.Sen and C.N.R. Rao, Studies of molecular oxygen adsorbed on Cu surfaces 177 (1986) L971
M. Onellion and J.L. Erskine, Rare gas physisorption on potassium treated Ni(100) 177 (1986) L983
C.T. Campbell and M.T. Paffett, The adsorption of ethylene oxide on Ag(110) and Pt(111): relevance to selective olefin oxidation 177 (1986) 417
H. Saijo, T. Kitamura and H. Ohtani, Adsorption of cyanine dyes on AgCl crystals studied by XPS 177 (1986) 431
G.N. Raikar, C. Klauber and S.M. Thurgate, Auger and XPS study of band structure of zinc phosphide 177 (1986) L1035
K. Winer, C.A. Colmenares, R.L. Smith and F. Wooten, On the stability of sub-stoichiometric uranium oxides 177 (1986) 484
T.T.P. Cheung, X-ray photoemission studies of Pt–Sn and Pt–Pb bimetallic systems 177 (1986) 493
B. Krüger and C. Benndorf, Adsorption and reaction of bromine with Ag(110): a photoemission study 177 (1986) 515

Photon emission

P. Nordlander and Ph. Avouris, Structure of adsorbate inverse photoemission spectra: a model Hamiltonian study 177 (1986) L1004

Platinum

M. Eiswirth and G. Ertl, Kinetic oscillations in the catalytic CO oxidation on a Pt(110) surface 177 (1986) 90
S.M. Levine and S.H. Garofalini, Interactions of Pt single atoms with the vitreous silica surface; adsorption and thermal accommodation 177 (1986) 157
K. Griffiths and D. Bonnett, The effects of hidden impurities on the reactivity of a Pt(111) crystal 177 (1986) 169
A.M. Lahee, J.P. Toennies and Ch. Wöll, Low energy adsorbate vibrational modes observed with inelastic helium atom scattering: CO on Pt(111) 177 (1986) 371
C.T. Campbell and M.T. Paffett, The adsorption of ethylene oxide on Ag(110) and Pt(111): relevance to selective olefin oxidation 177 (1986) 417
G.L. Kellogg, Field ion microscope observations of surface reconstructions on Pt(100) and Ir(100) 177 (1986) L1021

Raman scattering

Ji-An Wu, H. Metiu and B. Kirtman, Cluster-model calculation of Raman intensity for vibration of CO adsorbed on copper 177 (1986) 101

Reflection spectroscopy

Y. Borensztein, The growth of palladium on (111) polycrystalline silver surface 177 (1986) 353

Rhodium

J. Kiss and F. Solymosi, Adsorption of H_2O on clean and on boron-contaminated Rh surfaces 177 (1986) 191

Secondary ion mass spectroscopy

K. Griffiths and D. Bonnett, The effects of hidden impurities on the reactivity of a Pt(111) crystal 177 (1986) 169

H. Yamamoto, T. Kikuchi and K. Furuya, A low-energy SIMS investigation of the analyzing depth by measuring diffusion coefficients using a nickel deposited copper single crystal 177 (1986) 229

H. Dabringhaus and H.J. Meyer, Interaction of molecular beams of NaCl with (100) surfaces of KCl 177 (1986) 451

Silicon

I. Abbati, L. Braicovich, B. de Michelis, A. Fasana and A. Rizzi, Spectroscopic investigation of the early formation stage of the Si(111)(2 × 1)–Mo interface 177 (1986) L901

M.J. Bozack, P.A. Taylor, W.J. Choyke and J.T. Yates, Jr., Chemical activity of the C=C double bond on silicon surfaces 177 (1986) L933

K. Griffiths and D. Bonnett, The effects of hidden impurities on the reactivity of a Pt(111) crystal 177 (1986) 169

S.T. de Zwart, T. Fried, D.O. Boerma, R. Hoekstra, A.G. Drentje and A.L. Boers, Sputtering of silicon by multiply charged ions 177 (1986) L939

E.M. Oellig and R. Miranda, New experimental studies on the adsorption of K on Si(100) and Si(111) 177 (1986) L947

Y.U. Idzerda, E.D. Williams, R.L. Park and J. Vähäkangas, Initial formation of titanium silicide 177 (1986) L1028

R.I. Lubinskaya, A.S. Mardezhov, K.K. Svitashov and V.A. Shvets, Ellipsometric analysis of inhomogeneous structures on the basis of complex reflection coefficients 177 (1986) 625

Silicon oxide

S.M. Levine and S.H. Garofalini, Interactions of Pt single atoms with the vitreous silica surface; adsorption and thermal accommodation 177 (1986) 157

R.I. Lubinskaya, A.S. Mardezhov, K.K. Svitashov and V.A. Shvets, Ellipsometric analysis of inhomogeneous structures on the basis of complex reflection coefficients 177 (1986) 625

Silver

Y. Borensztein, The growth of palladium on (111) polycrystalline silver surface 177 (1986) 353
C.T. Campbell and M.T. Paffett, The adsorption of ethylene oxide on Ag(110) and Pt(111): relevance to selective olefin oxidation 177 (1986) 417
B. Krüger and C. Benndorf, Adsorption and reaction of bromine with Ag(110): a photoemission study 177 (1986) 515

Sputtering

G. Falcone, A. Oliva and Z. Sroubek, Angular resolved energy spectra of secondary ions 177 (1986) 221
S.T. de Zwart, T. Fried, D.O. Boerma, R. Hoekstra, A.G. Drentje and A.L. Boers, Sputtering of silicon by multiply charged ions 177 (1986) L939

Sulphur

H.C. Zeng, R.N.S. Sodhi and K.A.R. Mitchell, A LEED crystallographic analysis for the Cu(100)-(2 × 2)-S surface structure 177 (1986) 329

Surface conductivity

Yu.S. Zharkikh and S.V. Lysochenko, Effect of low-temperature annealing upon electrophysical parameters for germanium surfaces cleaved in liquid helium 177 (1986) 615

Surface diffusion

V.P. Zhdanov, Effect of lateral interactions on tunnel diffusion of adsorbed particles 177 (1986) L896

Surface energy

J.C. Heyraud and J.J. Métois, Surface free energy anisotropy measurement of indium 177 (1986) 213

Surface segregation

E.G. McRae and R.A. Malic, Low energy electron diffraction observations on Au-enriched Ni–0.8%Au alloy(110) surfaces prepared by surface segregation 177 (1986) 53
W. Dziurda, L. Gabła and M. Tuleta, Surface segregation in liquid Ga–In alloys studied by bombardment-induced photon emission 177 (1986) 363

Surface structure, see also Low energy electron diffraction

P.G. Cowell, M. Prutton and S.P. Tear, LEED surface crystallography, *R*-factors and the structure of the (110) surfaces of III–V semiconductors 177 (1986) L915
F. Ercolessi, M. Parrinello and E. Tosatti, Au(100) reconstruction in the glue model 177 (1986) 314
H.C. Zeng, R.N.S. Sodhi and K.A.R. Mitchell, A LEED crystallographic analysis for the Cu(100)-(2 × 2)-S surface structure 177 (1986) 329

Surface thermodynamics

J.M. Gay, A. Dutheil, J. Krim and J. Suzanne, A LEED study of methane films adsorbed on graphite in the monolayer range 177 (1986) 25
V.M. Allen and P.D. Pacey, Extended calculations of energy levels and thermodynamic properties for hindered rotations of adsorbed molecules 177 (1986) 36
S.L. Shumway and R.E. Allen, Dynamics of adsorption, exchange reactions, and defect formation at solid surfaces 177 (1986) L999

Thermal desorption

J. Paul, S.D. Cameron, D.J. Dwyer and F.M. Hoffmann, The interaction of CO and O_2 with the (111) surface of Pt_3Ti 177 (1986) 121
J. Kiss and F. Solymosi, Adsorption of H_2O on clean and on boron-contaminated Rh surfaces 177 (1986) 191
P. Basu and J.T. Yates, Jr., An apparatus for temperature programmed desorption from high surface area solids: the adsorption and desorption of C_2H_4 from NaX-zeolite 177 (1986) 291
C.T. Campbell and M.T. Paffett, The adsorption of ethylene oxide on Ag(110) and Pt(111): relevance to selective olefin oxidation 177 (1986) 417

Thin films

W.L. Barnes and J.R. Sambles, Guided optical waves in Langmuir–Blodgett films of 22 tricosenoic acid 177 (1986) 399
Y.U. Idzerda, E.D. Williams, R.L. Park and J. Vähäkangas, Initial formation of titanium silicide 177 (1986) L1028

Titanium

Y.U. Idzerda, E.D. Williams, R.L. Park and J. Vähäkangas, Initial formation of titanium silicide 177 (1986) L1028

Titanium oxide

R.L. Kurtz, Stimulated desorption studies of defect structures on TiO_2 177 (1986) 526

Tungsten

T.T. Tsong, Evidence of post field ionization and observation of novel features in the energy distribution of field evaporated ions 177 (1986) 593

Tunneling

L. Orosz and E. Balázs, Calculation of a quasi-self-consistent barrier for metal–vacuum–metal junctions 177 (1986) 444

Uranium oxide

K. Winer, C.A. Colmenares, R.L. Smith and F. Wooten, On the stability of sub-stoichiometric uranium oxides 177 (1986) 484

Water

K. Griffiths and D. Bonnett, The effects of hidden impurities on the reactivity of a Pt(111) crystal 177 (1986) 169
J. Kiss and F. Solymosi, Adsorption of H_2O on clean and on boron-contaminated Rh surfaces 177 (1986) 191
M. Hock, U. Seip, I. Bassignana, K. Wagemann and J. Küppers, Coadsorption of oxygen and water at Ni(110) surfaces 177 (1986) L978

Work function

M. Eiswirth and G. Ertl, Kinetic oscillations in the catalytic CO oxidation on a Pt(110) surface 177 (1986) 90
K. Griffiths and D. Bonnett, The effects of hidden impurities on the reactivity of a Pt(111) crystal 177 (1986) 169
Z.P. Hu, N.J. Wu and A. Ignatiev, Cs induced work function changes on the graphite (0001) surface 177 (1986) L956
K.J. Uram, L. Ng and J.T. Yates, Jr., Electrostatic effects between adsorbed species – the K···CO interaction on Ni(111) as studied by infrared reflection–absorption spectroscopy 177 (1986) 253

X-ray absorption

D.A. Fischer, U. Döbler, D. Arvanitis, L. Wenzel, K. Baberschke and J. Stöhr, Carbon K-edge structure of chemisorbed molecules by means of fluorescence detection 177 (1986) 114

Zeolites

P. Basu and J.T. Yates, Jr., An apparatus for temperature programmed desorption from high surface area solids: the adsorption and desorption of C_2H_4 from NaX-zeolite 177 (1986) 291